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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1. | |  |  |  |  | | --- | --- | --- | --- | |  | Statements |  | Reasons | | 1. | *l* ||*m* | 1. | Given | | 2. |  | 2. | Alt Exterior Angle Thm. | | 2. | |  |  |  |  | | --- | --- | --- | --- | |  | Statements |  | Reasons | | 1. | *l* ||*m* | 1. | Given | | 2. |  | 2. | Corresponding Angle Thm. | | 3. | are supplementary | 3. | Linear Pairs Postulate | | 4. | are supplementary | 4. | Substitution | |
| 3. | |  |  |  |  | | --- | --- | --- | --- | |  | Statements |  | Reasons | | 1. | and | 1. | Given | | 2. |  | 2. | Corresponding Angle Thm | | 3. |  | 3. | Alt. Interior Angles Thm | | 4. |  | 4. | Transitive Property | | 5. | bisects | 5. | Definition of  Bisector | | 4. | |  |  |  |  | | --- | --- | --- | --- | |  | Statements |  | Reasons | | 1. | bisects  and | 1. | Given | | 2. |  | 2. | Definition of  Bisector | | 3. |  | 3. | Transitive Property | | 4. |  | 4. | Converse of Alt Int. Angle | |
| 5. | |  |  |  |  | | --- | --- | --- | --- | |  | Statements |  | Reasons | | 1. | *and* | 1. | Given | | 2. |  | 2. | If 2 lines are  to the same line then the 2 lines are \\. | | 3. |  | 3. | Alt. Interior Angle Thm | | 6. | |  |  |  |  | | --- | --- | --- | --- | |  | Statements |  | Reasons | | 1. | and | 1. | Given | | 2. |  | 2. | Converse of the Corresponding Angles Thm | | 3. |  | 3. | Perpendicular Transversal Theorem | |
| 7. | |  |  |  |  | | --- | --- | --- | --- | |  | Statements |  | Reasons | | 1. | *and* | 1. | Given | | 2. |  | 2. | Addition | | 3. | and  are supplementary | 3. | Definition of Supplementary | | 4. |  | 4. | Converse of S.S. Int Angle Thm | | 8. | |  |  |  |  | | --- | --- | --- | --- | |  | Statements |  | Reasons | | 1. | and | 1. | Given | | 2. |  | 2. | Corresponding Angles Thm | | 3. |  | 3. | Definition of Congruence | | 4. | *are supplementary* | 4. | Linear Pairs Postulate | | 5. |  | 5. | Definition of Supplementary | | 6. |  | 6. | Substitution | | 7. |  | 7. | Subtraction | |